## INTERNATIONAL SEARCH REPORT

Form PCT/ISA/210 (second sheet) (January 2004)

International application No.
PCT/KR2003/001758

A. CLAS	SIFICATION OF SUBJECT MATTER				
IPC7 H04R 1/04, H04R 19/04					
According to International Patent Classification (IPC) or to both national classification and IPC					
r field	DS SEARCHED				
	umentation searched (classification system followed by	classification symbols)			
IPC7 H04R, 1	H01L				
Documentation	n searched other than minimum documentation to the	xtent that such documents are included in the fi	elds searched		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched KR, IP: IPC as above					
Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)					
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C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where app	Relevant to claim No.			
A	KR 2020010216291 Y (SORI TEL., Co., Ltd.) MAR	1 .			
	See the whole document				
A	KR 1020020039623 A (MATSUSHITA ELECTRIC	1			
	See the whole document				
A	US 2002/0047173 A1 (OKAWA at al.) AFRIL 25, 2	1, 2			
	See Abstract, Figure 1				
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Further documents are listed in the continuation of Box C. X See patent family annex.					
* Special categories of cited documents:  "A" later document published after the international document defining the general state of the art which is not considered date and not in conflict with the application.					
to be of particular relevance the principle or theory underlying the invention					
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	ant which may throw doubts on priority claim(s) or which is establish the publication date of citation or other  step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be				
special rea	son (as specified)	considered to involve an inventive step wi	hen the document is		
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	published prior to the international filing date but later iority date claimed	"&" document member of the same patent family			
Date of the actual completion of the international search  Date of mailing of the international search report					
26 APRIL 2004 (26.04.2004)		27 APRIL 2004 (27.04.2004)			
Name and mailing address of the ISA/KR		Authorized officer			
	Corean Intellectual Property Office	WD4 Comp. To	(河) (西西)		
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## INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. PCT/KR2003/001758

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2020010216291 Y	15-03-01	None	
KR 1020020039623 A	<b>27-05-</b> 02	None	
US 2002/0047173 A1	25-04-02	None	

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